Why Might I Use the AUREN Manual Mode?

> Why do we crave manual overrides in an automated world? Because humans are terrible at trusting machines to read the room—literally. Sensors can't detect your post-curry kitchen haze or your toddler's impromptu bath-time tsunami. Manual Mode is your veto power, your "I know better" button.

Manual Mode on the AUREN 160 allows you to bypass automatic sensors and set a fixed ventilation speed, ideal for maintaining consistent airflow in specific conditions like high-occupancy rooms, seasonal temperature changes, or when sensor-based adjustments aren't sufficient.

The Technical Side of Manual Mode

The AUREN 160 operates with a Class II heat recovery system, designed for indoor use with an IPX4 protection rating. In Manual Mode, the unit bypasses its automatic sensors, allowing users to set a fixed speed. The impeller offers four speed settings:

- **Night Speed (10 m³/h, 3.9W, 4dB(A))**: Ultra-quiet operation for minimal disturbance.
- **Low Speed (20 m³/h, 4.2W, 9dB(A))**: Balanced airflow for everyday use.
- **Medium Speed (40 m³/h, 5.5W, 21dB(A))**: Enhanced ventilation for moderate needs.
- **Boost Speed (60 m³/h, 6.7W, 29dB(A))**: Maximum airflow for rapid air exchange.

This granular control is particularly useful in the UK, where humidity and temperature fluctuations demand adaptable ventilation strategies.

Practical Applications in the UK

1. **Winter Months**
   - *Problem*: Retaining heat while preventing condensation.
   - *Solution*: Set to **Low Speed** to maintain warmth without stifling airflow.
2. **Summer Months**
   - *Problem*: Overheating and stagnant air.
   - *Solution*: Use **Boost Speed** to flush out hot air and draw in cooler external air.
3. **High-Occupancy Rooms**
   - *Problem*: Spikes in CO_2 and humidity during gatherings.
   - *Solution*: Temporarily switch to **Medium/Boost Speed** to manage air quality.
4. **Kitchens & Bathrooms**
   - *Problem*: Sensor delays in responding to sudden humidity changes.
   - *Solution*: Manual Mode ensures immediate airflow adjustment, reducing mould risk.

Manual Mode vs. Automatic Mode

Feature	Manual Mode	Automatic Mode
Control	User-set fixed speed	Sensor-driven adjustments
Best For	Predictable environments (e.g., bedrooms)	Dynamic spaces (e.g., living rooms)
Energy Use	Consistent power draw	Fluctuates based on sensor data
Responsiveness	Immediate	70-second cycle delay

Why it matters: In UK homes with erratic humidity (e.g., coastal areas), Manual Mode offers reliability where sensors might over- or under-compensate.

Maintenance in Manual Mode

To ensure longevity:

1. **Clean Filters Every 3,000 Hours** (or annually). Clogged filters reduce efficiency.
2. **Check Impeller Rotation** – Ensure it's free from debris.
3. **Reset Alarms** – Press the **FILTER (R)** button post-maintenance.

The Bigger Picture: Why Manual Mode Matters

The UK's push for energy-efficient homes (e.g., Future Homes Standard 2025) makes systems like the AUREN 160 vital. Manual Mode aligns with user-centric design, offering control without sacrificing efficiency. For retrofit projects—where decentralised units like the AUREN shine—this flexibility is key.

Take control of your indoor air quality—explore Manual Mode to tailor ventilation to your lifestyle.